

DP-302194

USE OF LITHIUM IN NO<sub>x</sub> ADSORBERS FOR IMPROVED LOW  
TEMPERATURE PERFORMANCE

## ABSTRACT OF THE DISCLOSURE

Described herein is a NO<sub>x</sub> adsorber that reduces the amount of NO<sub>x</sub> in the exhaust stream of a lean-burn internal combustion engine. The adsorber incorporates a small amount of lithium along with a catalyst, an alkali material, and a support material. The lithium acts to facilitate the reduction of absorbed NO<sub>x</sub>,  
5 thereby lowering NO<sub>x</sub> concentrations in the exhaust gas.

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